Plant Pathology

A record of current work on plant diseases and pests in the British Isles

---

INDEX

VOLUME 27, 1978

Author: *pages* iii–v

Subject: *pages* vii–xi

LONDON: HER MAJESTY'S STATIONERY OFFICE

AUTHOR INDEX

ADAMS, M. J. and LAPWOOD, D. H. The Period of Susceptibility of Red Beet to *Streptomyces* Scab, 97–8.

ALFORD, D. V. The True Identity of the Cherry Fruit Moth in Britain, 35–7.

BAKER, C. R. B. (*joint author*), see Wardlow, L. R., 169–82.

BARKER, J. (*joint author*), see Foster, G. N., 47–8.

BARTLETT, P. W. Colorado Beetles Reported in England, Wales and Scotland, 1977, 18–24.

BARTLETT, P. W. and BOWMAN, C. E. Fuchsia Damaged by the Flea Beetle *Haltica lythri* Aubé, 148.

BARTLETT, P. W. (*joint author*), see Bowman, C. E., 200–1.

BARTLETT, P. W. (*joint author*), see Bowman, C. E., 201.

BARTLETT, P. W. (*joint author*), see Bowman, C. E., 202.

BARTLETT, P. W. (*joint author*), see Bowman, C. E., 203.

BASSETT, P. Damage to Winter Cereals by *Zabrus tenebrioides* (Goeze) (Coleoptera: Carabidae), 48.

BOWMAN, C. E. (*joint author*), see Bartlett, P. W., 148.

BOWMAN, C. E. and BARTLETT, P. W. *Pentamerismus oregonensis* McGregor (Acari: Tenuipalpidae) Infesting Imported *Juniperus chinensis* L. in England, 200–1.

BOWMAN, C. E. and BARTLETT, P. W. *Panonychus citri* (McGregor) (Acari: Tetranychidae) Infesting Imported *Citrus mitis* in England, 201.

BOWMAN, C. E. and BARTLETT, P. W. *Diptacus swensoni* Keifer (Acari: Rhyncaphytopidae) Infesting Holly in England, 202.

BOWMAN, C. E. and BARTLETT, P. W. *Dialeurodes citri* (Ashmead) and *D. citrifolii* (Morgan) (Hemiptera: Aleyrodidae) Infesting Imported *Citrus* under Glass in Britain, 203.

BRASIER, C. M. and STROUTS, R. G. *Phytophthora hibernalis* in Britain, 99–100.

BROCK, ADELINE M. (*joint author*), see Rayner, J. M., 186–93.

BROOM, E. W. (*joint author*), see Plumb, R. T., 151–9.

BROWN, D. J. F. (*joint author*), see Trudgill, D. L., 101.

CAMMELL, M. E., WAY, M. J. and HEATHCOTE, G. D. Distribution of Eggs of the Black Bean Aphid, *Aphis fabae* Scop., on the Spindle Bush, *Euonymus europaeus* L., with Reference to Forecasting Infestations of the Aphid on Field Beans, 68–76.

CARTER, MARGARET A. *Mycocentrospora acerina* Leaf Spot on *Cyclamen neapolitanum*, 51.

CLARKSON, J. D. S. Pathogenicity of *Fusarium* spp. Associated with Foot-rots of Peas and Beans, 110–17.

COTTEN, J., PEMBERTON, A. W. and MATHIAS, P. L. An Outbreak of Raspberry Yellow Dwarf (Arabis Mosaic Virus) in Raspberry Entered for Special Stock Certificate, 145–6.

COWAN, M. C. (*joint author*), see Speakman, J. B., 58–65.

DAVIS, R. P. (*joint author*), see Dennis, C., 49.

DENNIS, C. and DAVIS, R. P. Storage Rots of Chicory Roots caused by *Phoma* and *Botrytis*, 49.

DICKENS, J. S. W. Treatment of Chrysanthemum Stools against White Rust (*Puccinia horiana* P. Henn.), 118–19.

EBBEN, MARION H., SMITH, J. W. MAXON and TURNER, ENID A. Tolerance of Tomatoes to *Pyrenochaeta lycopersici*: Comparison of a Tolerant Line with a Susceptible Cultivar in Infested Soils, 91–6.

EVANS, K. (*joint author*), see Franco, J., 1–6.

FLETCHER, J. T. and SHARPE, KAY. Control of *Didymella lycopersici* on Tomato Stems with Fungicidal Paints, 194–7.

FLOOD, JULIE, ISAAC, I. and MILTON, J. M. Reactions of Some Cultivars of Lucerne to various Isolates of *Verticillium albo-atrum*, 166–9.

FOSTER, G. N. and BARKER, J. A New Biotype of Red Spider Mite (*Tetranychus urticae* (Koch)) causing Atypical Damage to Tomatoes, 47–8.

FOSTER, G. N. and KELLY, AILEEN. Survey of Pests of Glasshouse Tomato Crops in Lanarkshire, 1974–77, with Special Reference to the Biological Control of Glasshouse Whitefly, 86–91.

FRANCO, J. and EVANS, K. Multiplication of some South American and European Populations of Potato Cyst Nematodes on Potatoes Possessing the Resistance Genes H_1, H_2 and H_3, 1–6.

FRENCH, N. (*joint author*), see Rayner, J. M., 186–93.

GARRETT, CONSTANCE M. E. Crown Gall of Blackberry: Field Spread and Susceptibility to Disease, 182–6.

GIBSON, R. W. and KENTEN, R. H. The Occurrence of Brome Mosaic Virus in Britain, 66–7.

GORDON, S. C. (*joint author*), see Woodford, J. A. T., 77–81.
GOULD, H. J. and VERNON, J. D. R. Biological Control of *Tetranychus urticae* (Koch) on Protected Strawberries Using *Phytoseiulus persimilis* Athias-Henriot., 136–9.
GOULD, H. J. (*joint author*), see Rayner, J. M., 186–93.
GUNN, E. (*joint author*), see Upstone, M. E., 30–5.
GUNN, E. (*joint author*), see Upstone, M. E., 102.
GUTTERIDGE, R. J. and SLOPE, D. B. Effect of Inoculating Soils with *Phialophora radicicola* var. *graminicola* on Take-all Disease of Wheat, 131–5.

HARDWICK, N. V. and HEARD, A. J. The Effect of *Marasmius oreades* in Pasture, 53–7.
HARRISON, J. G. *Botrytis galanthina* in Scotland, 145.
HEARD, A. J. (*joint author*), see Hardwick, N. V., 53–7.
HEATHCOTE, G. D. Review of Losses Caused by Virus Yellows in English Sugar Beet Crops and the Cost of Partial Control with Insecticides, 12–17.
HEATHCOTE, G. D. (*joint author*), see Cammell, M. E., 68–76.
HEATHCOTE, G. D. Coccinellid Beetles on Sugar Beet in Eastern England, 1961–75, 103–9.
HOLLINS, T. W. (*joint author*), see Scott, P. R., 125–31.
HOLLIS, D. *Floria variegata* Löw (Homoptera: Psylloidea) on Laburnum in Britain, 149.
HUNTER, T. and WHITELEY, L. A. Fungicidal Control of *Botrytis cinerea* on Grape-vines in England, 81–6.
HUNTER, T. and STOTT, K. G. A Disease of *Salix alba* var. *coerulea* caused by a Fluorescent *Pseudomonas* sp., 144–5.

ISAAC, I. (*joint author*), see Flood, Julie, 166–9

JENKYN, J. F. (*joint author*), see Plumb, R. T., 151–9.
JONES, MARGARET G. and MOORE, R. Large-scale Rearing of Wheat Bulb Fly (*Delia coarctata* (Fall.)), 41–3.

KELLY, AILEEN (*joint author*), see Foster, G. N., 86–91.
KENTEN, R. H. (*joint author*), see Gibson, R. W., 66–7.

LAPWOOD, D. H. (*joint author*), see Adams, M. J., 97–8.
LELLIOTT, R. A. (*joint author*), see Sellwood, Jennifer E., 120–4.
LEWIS, B. G. (*joint author*), see Speakman, J. B., 58–65.
LEWIS, SERFIAH (*joint author*), see Rayner, J. M., 186–93.
LOWINGS, P. H. (*joint author*), see Wijeratnam, R. S. Wilson, 100.
LUDLAM, the late F. A. B. (*joint author*), see WARDLOW, L. R., 169–81.
LUND, BARBARA M. and WYATT, G. M. Post-harvest Spoilage of Cauliflower by Downy Mildew, *Peronospora parasitica*, 143–4.

MATHIAS, P. L. (*joint author*), see Cotten, J., 145–6.
MCKINLAY, R. G. An Infestation of *Leptopterna dolabrata* (L.) (Hemiptera: Miridae) on Barley in Scotland, 204.
MILTON, J. M. (*joint author*), see Flood, Julie, 166–9.
MOORE, R. (*joint author*), see Jones, Margaret G., 41–3.
MORGAN, W. M. and SPENCER, D. M. Application of Dichlofluanid by Thermal Fogging of the Control of Grey Mould of Tomato, 6–11.

PEMBERTON, A. W. (*joint author*), see Cotten, J., 145–6.
PLUMB, R. T., JENKYN, J. F. and BROOM, E. W. The Effects of Pesticides on a Perennial Ryegrass Sward, 151–9.

RAYNER, J. M. Chemical Control of Leather-jackets (Diptera: Tipulidae) in Grassland, 160–5.
RAYNER, J. M., BROCK, ADELINE M., FRENCH, N., GOULD, H. J. and LEWIS, SERFIAH. Further Experiments on the Control of Slugs in Potatoes by means of Molluscicidal Baits, 186–93.
RYAN, E. W. Leaf Spot of Onions caused by *Cladosporium allii-cepae*, 200

SAVAGE, M. J. Damage to Vines by *Colomerus vitis* (Pgst.) (Prostigmata: Eriophyidae), 147–8.
SCOTT, P. R. and HOLLINS, T. W. Prediction of Yield Loss due to Eyespot in Winter Wheat, 125–31.
SEABY, D. A. and SURGEONER, R. A Rapid Method of Extracting Sap from Grass Blades or other Fibrous Material, 198–9.
SELLWOOD, JENNIFER E. and LELLIOTT, R. A. Internal Browning of Hyacinth caused by *Erwinia rhapontici*, 120–4.
SHARPE, KAY (*joint author*), see Fletcher, J. T., 194–7.
SLOPE, D. B. (*joint author*), see Gutteridge, R. J., 131–5.
SMITH, J. W. MAXON (*joint author*), see Ebben, Marion H., 91–6.
SOUTHEY, J. F. Burrowing Nematode (*Radopholus similis*) in a Glasshouse in Kent, 50.
SPEAKMAN, J. B., LEWIS, B. G. and COWAN, M. C. Control of Take-all Disease of Wheat by Grasses and Legumes, 58–65.

SPENCER, D. M. (*joint author*), see Morgan, W. M., 6–11.
STEVENSON, J. H. The Acute Toxicity of Unformulated Pesticides to Worker Honey Bees (*Apis mellifera* L.), 38–40.
STOTT, K. G. (*joint author*), see Hunter, T., 144–5.
STROUTS, R. G. (*joint author*), see Brasier, C. M., 99–100.
STROYAN, H. L. G. A British Record of the Rice Root Aphid, 102.
SURGEONER, R. (*joint author*), see Seaby, D. A., 198–9.

TRUDGILL, D. L. and BROWN, D. J. F. *Pratylenchus penetrans:* a Potential Pest of Raspberries in Scotland, 101.
TURNER, ENID A. (*joint author*), see Ebben, Marion H., 91–6.

UPSTONE, M. E. *Phytophthora syringae* Fruit Rot of Apples, 24–30.
UPSTONE, M. E. and GUNN, E. Rainfall and the Occurrence of *Phytophthora syringae* Fruit Rot of Apples in Kent 1973–75, 30–5.
UPSTONE, M. E. Printer's Correction—*Phytophthora syringae* Fruit Rot of Apples, 102.

VERNON, J. D. R. (*joint author*), see Gould, H. J., 136–9.

WARDLOW, L. R., BAKER, C. R. B. and LUDLAM, the late F. A. B. Light-trap Catches of Fruit Tortricid Moths in Kent, 1964–74, and Associated Temperature Sums, 169–82.
WAY, M. J. (*joint author*), see Cammell, M. E., 68–76.
WHITELEY, L. A. (*joint author*), see Hunter, T., 81–6.
WIJERATNAM, R. S. WILSON and LOWINGS, P. H. Watery Rot of Stored Onions caused by *Penicillium cyclopium* Westling, 100.
WOODFORD, J. A. T. and GORDON, S. C. Virus-like Symptoms in Red Raspberry Leaves caused by Fenitrothion, 77–81.
WYATT, G. M. (*joint author*), see Lund, Barbara M., 143–4.

SUBJECT INDEX

Abacarus hystrix, 152.
Actipron:
  for Control of *Didymella lycopersici* on Tomato, 195.
Adoxophyes orana, 169.
Adalia bipunctata, 103.
Adalia 10-punctata, 104.
Agrobacterium tumefaciens, 182.
Aldicarb:
  to Control Spread of Virus Yellows in Sugar Beet, 13.
Allethrin:
  Toxicity to Honey Bees, 38.
Aphis fabae, 13, 68, 103.
Apis mellifera, 38.
Apple:
  Host of *Erwinia rhapontici*, 120.
  Phytophthora syringae Fruit Rot, 24, 102.
  Rainfall and Occurrence of *Phytophthora syringae* Fruit Rot, 30, 102.
Archips podana, 169.
Argyresthia curvella, 35.
Argyresthia pruniella, 35.
Arion ater, 187.
Arion fasciatus/circumscriptus, 187.
Arion hortensis, 187.
Arion spp., 187.
Arion subfuscus, 187.
Azinphos-methyl:
  Toxicity to Honey Bees, 38.

Bacillus thuringiensis:
  for Control of Tomato Moth, 90.
  Harmless to *Encarsia formosa*, 90.
Barley:
  Infestation of Meadow Plant Bugs in Scotland, 204.
Benodanil:
  for Treatment of White Rust on Chrysanthemum, 119.
  Effects on Perennial Ryegrass Sward, 152.
Beans:
  Pathogenicity of *Fusarium* spp. Associated with Foot-rots, 110.
Benomyl:
  for Control of *Botrytis cinerea* on Grape, 83.
  for Control of *Didymella lycopersici* on Tomato, 195.
  Effects on Perennial Ryegrass Sward, 152.
  for Control of *Phytophthora* Fruit Rot of Apple, 24.
  Toxicity to Honey Bees, 38.
Benzimidazole:
  for Control of *Phytophthora* Fruit Rot of Apple, 26.
Biological Control:
  Glasshouse Whitefly on Tomatoes, 86.
  Tetranychus urticae on Protected Strawberries, 136.
Bioresmethrin:
  Toxicity to Honey Bees, 38.
Blackberry:
  Field Spread of Crown Gall and Susceptibility to Disease, 182.
Bordeaux mixture:
  for Suppression of Sporulation of *Botrytis cinerea*, 82.
Botrytis cinerea, 6, 49, 81.
Botrytis galanthina, 145.

Captan:
  for Control of *Didymella lycopersici* on Tomato, 195.
  for Suppression of Sporulation of *Botrytis cinerea*, 82.
  Toxicity to Honey Bees, 38.
Captafol:
  Effects on Perennial Ryegrass Sward, 152.
  for Control of *Didymella lycopersici* on Tomato, 195.
Carbaryl:
  Toxicity to Honey Bees, 38.
Carbophenothion:
  Toxicity to Honey Bees, 38.
Cauliflower:
  Post-harvest Spoilage by Downy Mildew, 143.
Cereals:
  Damage to Winter Cereals by *Zabrus tenebrioides*, 48.
Cherry:
  Hosts of *Argyresthia pruniella*, 35.
Chicory:
  Storage Rots of Roots, 49.
Chlordane:
  Toxicity to Honey Bees, 38.
Chlorfenethol:
  Toxicity to Honey Bees, 38.
Chlorfenvinphos:
  Toxicity to Honey Bees, 38.
Chlorothalonil:
  for Control of *Botrytis cinerea* on Grape, 83.
  for Suppression of Sporulation of *Botrytis cinerea*, 82.
Chlorpyrifos:
  for Control of Leatherjackets in Grassland, 160.
Chrysanthemum:
  Treatment of Stools against White Rust, 118.
Citrus:
  Citrus Red Mite Infesting Imported *Citrus mitis*, 201.
  Dialeurodes citri and *D. citrifolii* Infesting Imported *Citrus* under Glass, 203.
Cladosporium allii-cepae, 200.
Coccinella 11-punctata, 104.
Coccinella septempunctata, 103.
Colomerus vitis, 147.

Colorado Beetle:
Beetles Reported in England, Wales and Scotland, 1977, 18.
Cyclamen:
Leaf Spot on *Cyclamen neapolitanum*, 51.
Cydia pomonella, 169.
Cyhexatin:
for Control of Red Spider Mite and Integrated with Use of *Encarsia formosa*, 89.
Cypress:
Phytophthora hibernalis in Lawson Cypress, 99.

Dazomet:
Effects on Perennial Ryegrass Sward, 152.
Toxicity to Honey Bees, 38.
DDT:
for Control of Leatherjackets in Grassland, 160.
for Control of Tomato Moth, 90.
Lethal to *Encarsia formosa*, 90.
Toxicity to Honey Bees, 38.
Decamethrin:
Toxicity to Honey Bees, 39.
Delia coarctata, 41.
Demephion:
Toxicity to Honey Bees, 39.
Demeton-S-methyl:
Toxicity to Honey Bees, 39.
Demeton-S-methyl sulphone:
Toxicity to Honey Bees, 39.
Deroceras reticulatum, 187.
Dialeurodes citri, 203.
Dialeurodes citrifolii, 203.
Dialifos:
Toxicity to Honey Bees, 39.
Diazinon:
Toxicity to Honey Bees, 39.
Dicamba:
Toxicity to Honey Bees, 39.
Dichlofluanid:
for Control of *Botrytis cinerea* on Grape, 83.
for Control of Grey Mould of Tomato, 6.
for Suppression of Sporulation of *Botrytis cinerea*, 82.
Toxicity to Honey Bees, 39.
Dichlorophen:
for Suppression of Sporulation of *Botrytis cinerea*, 82.
Dichloropropene:
for Eradication of *Xiphinema diversicaudatum*, 146.
Dichlorvos:
for Control of Tomato Moth, 90.
Lethal to *Encarsia formosa*, 90.
Dicofol:
for Control of Red Spider Mite and Integrated with Use of *Encarsia formosa*, 89.
Toxicity to Honey Bees, 39.
Dicrotophos:
Toxicity to Honey Bees, 39.
Didymella lycopersici, 194.
Dieldrin:
Toxicity to Honey Bees, 39.
Diflubenzuron:
Toxicity to Honey Bees, 39.
Dimethoate:
Toxicity to Honey Bees, 39.
Dinoseb:
for Treatment of White Rust on Chrysanthemum, 119.
Diptacus swensoni, 202.
Disulfoton:
to Control Spread of Virus Yellows in Sugar Beet, 13.
Toxicity to Honey Bees, 39.
DNOC:
for Suppression of Sporulation of *Botrytis cinerea*, 82.
Drechslera spp., 151.

Encarsia formosa, 86.
Endosulfan:
Effects on Perennial Ryegrass Sward, 152.
Toxicity to Honey Bees, 39.
Endrin:
Toxicity to Honey Bees, 39.
Erwinia rhapontici, 120.
Erysiphe graminis, 151.
Ethiofencarb:
Toxicity to Honey Bees, 39.
Ethylmercury chloride:
Toxicity to Honey Bees, 39.

Fenazaflor:
Toxicity to Honey Bees, 39.
Fenitrothion:
Cause of Virus-like Symptoms in Red Raspberry Leaves, 77.
for Control of Leatherjackets in Grassland, 160.
Toxicity to Honey Bees, 39.
Fentin acetate:
for Suppression of Sporulation of *Botrytis cinerea*, 82.
Field Bean:
Forecasting Infestations of Black Bean Aphid, 68.
Floria variegata, 149.
Fonofos:
Toxicity to Honey Bees, 39.
Forecasting:
Infestations of Black Bean Aphid on Field Beans, 68.
Fuchsia:
Damage by Flea Beetle, 148.
Fusarium avenaceum, 111.
Fusarium culmorum, 151.
Fusarium equiseti, 111.
Fusarium graminearum, 111.
Fusarium oxysporum, 111.
Fusarium oxysporum var. *redolens*, 111.
Fusarium sambucinum var. *coeruleum*, 111.
Fusarium solani, 111.
Fusarium solani var. *coeruleum*, 111.
Fusarium spp., 111.

Gaeumannomyces graminis var. *tritici*, 58, 131.
Gamma HCH:
for Control of Leatherjackets in Grassland, 160.
Toxicity to Honey Bees, 39.

Globodera pallida, 1.
Globodera rostochiensis, 1.
Globodera spp., 1.
Grape-vine:
Fungicidal Control of *Botrytis cinerea*, 81.
Grass:
Method of Extracting Sap from Blades, 198.
Grasses:
for Control of Take-all Disease of Wheat, 58.
Effect of *Marasmius oreades* in Pasture, 53.
Grassland:
Chemical Control of Leatherjackets, 160.

Haltica lythri, 148.
Hedya nubiferana, 169.
Holly:
Infestation of *Diptacus swensoni*, 202.
Hot water:
for Treatment of White Rust on Chrysanthemum, 119.
Hyacinth:
Internal Browning caused by *Erwinia rhapontici*, 120.

Iprodione:
for Control of *Botrytis cinerea* on Grape, 83.
for Suppression of Sporulation of *Botrytis cinerea*, 82.
Iodophor:
for Control of *Didymella lycopersici* on Tomato, 195.

Juniper:
Pentamerismus oregonensis Infesting Imported *Juniperus chinensis*, 200.

Laburnum:
Host of *Floria variegata*, 149.
Lacanobia oleracea, 86.
Leatherjackets:
Chemical Control in Grassland, 160.
Legumes:
for Control of Take-all Disease of Wheat, 58.
Pathogenicity of *Fusarium* spp., 110.
Leptinotarsa decemlineata, 18.
Leptopterna dolabrata, 204.
Longidorus elongatus, 101.
Losses caused by:
Eyespot in Winter Wheat, 125.
Virus Yellows in Sugar Beet, 12.
Lucerne:
Reactions of Cultivars to Isolates of *Verticillium albo-atrum*, 166.

Malathion:
Toxicity to Honey Bees, 39.
Maneb:
for Control of *Didymella lycopersici* on Tomato, 195.
Marasmius oreades, 53.
MCPA:
Toxicity to Honey Bees, 39.
Mecoprop:
Toxicity to Honey Bees, 39.
Menazon:
Effects on Perennial Ryegrass Sward, 152.
Toxicity to Honey Bees, 39.
Methiocarb:
for Control of Leatherjackets in Grassland, 160.
for Control of Slugs in Potatoes, 186.
Metopolophium dirhodum, 107.
Mevinphos:
Toxicity to Honey Bees, 39.
Milax budapestensis, 187.
Milax gagates, 187.
Multiplication of Potato Cyst Nematodes on Potato Possessing Resistance Genes H_1, H_2 and H_3, 1.
Mycocentrospora acerina, 51.
Myzus persicae, 13, 106.

Nematodes:
Burrowing Nematode in Glasshouse, 50.
Multiplication of South American and European Populations of Potato Cyst Nematodes on Potatoes Possessing Resistance Genes, 1.
Pratylenchus penetrans: a Potential Pest of Raspberries in Scotland, 101.
Virus Vectors in Site for Propagating Raspberries Entered for Special Stock Certificate, 146.

Omethoate:
Toxicity to Honey Bees, 39.
Onion:
Leaf Spot caused by *Cladosporium alliicepae*, 200.
Watery Rot of Stored Onions, 100.
Ornamental Plants:
Burrowing Nematode in Roots, 50.
Orthodibrom:
for Control of Tomato Moth, 90.
Lethal to *Encarsia formosa*, 90.
Oxamyl:
for Control of Red Spider Mite and Integrated with Use of *Encarsia formosa*, 89.
to Control Spread of Virus Yellows in Sugar Beet, 13.
Toxicity to Honey Bees, 39.
Oxydemeton-methyl:
Toxicity to Honey Bees, 39.

Pandemis heparana, 169.
Paraquat dichloride:
Toxicity to Honey Bees, 39.
Parasitic Insects:
Encarsia formosa, 86.

Parathion:
for Control of Leatherjackets in Grassland, 160.
Pasture:
Effect of *Marasmius oreades*, 53.
Pea:
Pathogenicity of *Fusarium* spp. Associated with Foot-rots, 110.
Pear:
Host of *Erwinia rhapontici*, 120.
Penicillium cyclopium, 100.
Panonychus citri, 201.
Pentamerismus oregonensis, 200.
Permethrin:
Toxicity to Honey Bees, 39.
Peronospora parasitica, 143.
Petroleum oil:
for Suppression of Sporulation of *Botrytis cinerea*, 82.
Phenylmercury acetate:
Toxicity to Honey Bees, 39.
Phialophora radicicola var. *graminicola*, 58, 131.
Phoma exigua var. *exigua*, 49.
Phorate:
to Control Spread of Virus Yellows in Sugar Beet, 13.
Toxicity to Honey Bees, 39.
Phyllocoptes gracilis, 77.
Phytophthora hibernalis, 99.
Phytophthora syringae, 24, 27, 30, 32, 102.
Phytoseiulus persimilis, 136.
Phytotoxicity:
Fungicidal Paints on Tomato Stems, 194.
Pirimicarb:
Toxicity to Honey Bees, 39.
Pirimiphos-ethyl:
for Control of Leatherjackets in Grassland, 164.
Toxicity to Honey Bees, 39.
Pirimiphos-methyl:
for Control of Leatherjackets in Grassland, 164.
Toxicity to Honey Bees, 39.
Plum:
Hosts of *Argyresthia pruniella*, 35.
Poly (1, 5-hexamethylene biguanide hydrochloride):
for suppression of sporulation of *Botrytis cinerea*, 82.
Potato:
Control of Slugs by Molluscicidal Baits, 186.
Multiplication of Potato Cyst Nematodes on Potatoes Possessing Resistance Genes H_1, H_2 and H_3, 1.
Pratylenchus crenatus, 101.
Pratylenchus penetrans, 101.
Predators:
Phytoseiulus persimilis, 89.
Propylea 14-punctata, 103.
Pseudomonas sp., 144.
Pseudocercosporella herpotrichoides, 125.
Puccinia coronata, 151.
Puccinia horiana, 118.
Pyrenochaeta lycopersici, 91.
Pyrethrins:
Toxicity to Honey Bees, 39.

Quinomethionate:
for Control of Red Spider Mite and Integrated with Use of *Encarsia formosa*, 89.
Toxicity ro Honey Bees, 39.

Radopholus similis, 50.
Raspberry:
Pratylenchus penetrans: a Potential Pest in Scotland, 101.
Raspberry Yellow Dwarf in Canes Entered for Special Stock Certificate, 145.
Virus-like Symptoms in Leaves caused by Fenitrothion, 77.
Red Beet:
Period of Susceptibility to *Streptomyces* Scab, 97.
Resmethrin:
Toxicity to Honey Bees, 39.
Resseliella theobaldi, 77.
Rhopalosiphum rufiabdominale, 102.
Rotenone:
Toxicity to Honey Bees, 39.
Ryegrass:
Effects of Pesticides on Perennial Ryegrass Sward, 151.

Sitobion avenae, 107.
Slugs:
Control in Potatoes by Molluscicidal Baits, 186.
Snowdrop:
Botrytis galanthina on Shoots in Scotland, 145.
Spindle:
Distribution of Eggs of Black Bean Aphid, 68.
Strawberry:
Biological Control of *Tetranychus urticae* on Protected Crops Using *Phytoseiulus persimilis*, 136.
Streptomyces spp., 97.
Sugar Beet:
Coccinellid Beetles on Crops in Eastern England, 103.
Losses caused by Virus Yellows and Cost of Partial Control with Insecticides, 12.
Surveys:
Pests of Glasshouse Tomato Crops in Lanarkshire, 86.
Virus Yellows in Sugar Beet, 12.

Tar oil:
for Suppression of Sporulation of *Botrytis* [illegible]*erea*, 82.
[illegible]troleum oil:
. Suppression of Sporulation of *Botrytis cinerea*, 82.
Tetradifon:
for Control of Red Spider Mite and Integrated with Use of *Encarsia formosa*, 89.
Tetranychus urticae, 47, 86, 136.
Thiofanox:
to Control Spread of Virus Yellows in Sugar Beet, 13.
Toxicity to Honey Bees, 39.

Thiometon:
Toxicity to Honey Bees, 39.
Thiram:
for Control of *Didymella lycopersici* on Tomato, 195.
for Suppression of Sporulation of *Botrytis cinerea*, 82.
Tipulidae, 160.
Tolylfluanid:
Toxicity to Honey Bees, 39.
Tomato:
Application of Dichlofluanid by Thermal Fogging for Control of Grey Mould, 6.
Biotype of Red Spider Mite causing Atypical Damage, 47.
Control of *Didymella lycopersici* on Stems with Fungicidal Paints, 194.
Survey of Pests of Glasshouse Crops in Lanarkshire, 86.
Tolerance to *Pyrenochaeta lycopersici*, 91.
Traps and Trapping:
Bait Traps for Slugs in Potatoes, 188.
Coccinellid Beetles in Sugar Beet, 103.
Light-trap Catches of Fruit Tortricid Moths in Kent and Associated Temperature Sums, 169.
Triadimefon:
Toxicity to Honey Bees, 39.
Trialeurodes vaporariorum, 86.
Triazophos:
for Control of Leatherjackets in Grassland, 160.
Toxicity to Honey Bees, 39.
Trifluralin:
Toxicity to Honey Bees, 39.

Verticillium albo-atrum, 166.
Vine:
Damage by Vine Erineum Mite, 147.
Virus Diseases:
Brome Mosaic Virus, 66.
Virus Diseases (*continued*)
Losses caused by Virus Yellows in Sugar Beet and Cost of Partial Control with Insecticides, 12.
Raspberry Yellow Dwarf in Raspberry Entered for Special Stock Certificate, 145.
Ryegrass Mosaic Virus (RMV) and Barley Yellow Dwarf Virus (BYDV) in Perennial Ryegrass, 151.
Virus-like Symptoms in Red Raspberry Leaves caused by Fenitrothion, 77.
Yellowing Viruses on Sugar Beet, 103.

Water Lettuce:
Rice Root Aphid Imported on, 102.
Weather in England and Wales:
Spring and Summer, 1977, 45.
Autumn and Winter 1977–78, 141.
Wheat:
Control of Take-all Disease by Grasses and Legumes, 58.
Effect of Inoculating Soils with *Phialophora radicicola* var. *graminicola* on Take-all Disease, 131.
Yield Loss due to Eyespot in Winter Wheat 125.
Willow:
Disease of Cricket Bat Willow caused by a Fluorescent *Pseudomonas* sp., 144.

Xiphinema diversicaudatum, 145.

Zabrus tenebrioides, 48.
Zineb:
for Control *Didymella lycopersici* on Tomato, 195.
for Treatment of White Rust on Chrysanthemum, 119.

Dd 597538 K12 12/79 Ed (16416)